PROJECT TITLE : NITRATE REDUCTION BY CONTROLLED FERMENTATION

PERIOD COVERED : January 27th - February 23rd

WRITTEN BY : C. Ruf

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## 1. TRIALS

### NINO trial 67

NINO trial 67 has been running in the pilot plant since February 16th. The objective of this trial which is probably the last one of the project is to obtain denitrated European RL feedstock (Ref. 1). Both the denitrated extract and the extracted tobacco will be air freighted to Richmond where they will be recombined in the RL pilot plant (Ref. 2).

The NINO denitrated RL sheet produced in Richmond will be sent back to Neuchâtel and stored in the pilot plant to be used for further product evaluation.
NINO trial 67 will be run in the pilot plant until the end of February.

## 2. STRIP DENITRATION

We received a first report from PM USA on the comparative strip denitration trial carried out in October and November 1980 (Ref. 3). Cigarettes made with BUR strips, denitrated according to the three processes (anaerobic and aerobic fermentation, electrodialysis), did not appear to be different from normal Marlboro cigarettes, from an analytical point of view, except as regards NO delivery.

## 3. PILOT PLANT

See monthly report : "Pilot Plant Operations" by N. Lüthi, February 1981.

## 4. MISCELLANEOUS

M. Hofer, an engineer specialized in fermentation, joined the Process Development department on February 2nd. He will be trained to work on the LEAR project.



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## 5. REFERENCES


Ref. 1 : "Essai NINO 67", N. Lüthi, February 13th, 1981

Ref. 2 : Letter from M. Häusermann to W. Gannon, February 12th, 1981

Ref. 3 : "Small scale Burley denitration trials", S. Müller, February 10th, 1981.


CLR/sde
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